

Work Order ID 85694

85694

Page 1

June-13-12 3:57:23 PM

Item ID: D3910-3

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Crosstube Lug

Start Date: 13/06/2012 Start Qty: 30.00

30

Cust Item ID:

Required Date: 27/06/2012 Req'd Qty: 30.00

30

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/06/13 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D3910

B

100

0.00

100

Bandsaw

Memo

0.00

Jeaspa Bandsaw

Cut to 1.450" Long

cut @ meter

CL 12/06/14

110

0.00

110

HAAS 1

Memo

0.00

HAAS CNC vertical machine #1

MACHINE AS PER FOLIO FA865 AND DWG

FOLIO REV:

DWG REV:

DEBURR

issue P/O to meter P/O: 17220

machine as per plug D 3910 REV.B

CL 12/06/14 60

7

(60)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

85694

Page 2

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Item Name: Crosstube Lug

Start Date: 13/06/2012 **Start Qty:** 30.00

30

Cust Item ID:

Required Date: 27/06/2012 **Req'd Qty:** 30.00

30

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____
 QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Sequence ID/
Work Center ID

Operation	Description
1	Start at the beginning of the array.
2	Compare the current element with the target value.
3	If the current element is equal to the target value, return its index.
4	If the current element is less than the target value, move to the next element.
5	If the current element is greater than the target value, move to the next element.
6	If the end of the array is reached, return -1.

Set Up/ Run Hours

[illegible]

120
120

~~QC2-Inspect parts off machine FAI/FAIB~~

0.00

QC
Quality Control

Memo

0.00

we'd inspect for transit damages
attached c/c to w/o

130
130

QC8 Inspect parts - second check

0.00

QC
Quality Control

Memo

0.00

140
140

Chemical Conversion Coat per QSI005 4.1

0.00

HandFinish

Hand Finishing

Memo

0.00

6/2/96

coat
x60

60 NH 12-7-9

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Page 3

June-13-12 3:57:24 PM

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N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Crosstube Lug

Stop ***NS2***

Start Date: 13/06/2012 Start Qty: 30.00 ***30***

Cust Item ID:

Required Date: 27/06/2012 Req'd Qty: 30.00 ***30***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***
Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150 *150* Powdercoat Powder Coating	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum Memo	0.00 0.00				60X	0		M.F. 12/07/10
160 *160* QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00				60	0		12-7-10
170 *170* Packaging Packaging	Identify as per dwg & Stock Location: <u>S07</u> Memo	0.00 0.00				(60)			12-7-10 SF

W121841

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID 85694***85694***

Page 4

June-13-12 3:57:24 PM

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Cust Item ID:

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Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

QC21- Final Inspection - Work Order Release

0.00

180

QC

Memo

0.00

Quality Control

OK 12/7/10

MF
12-07-10

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NOTE: Date & initial all entries

Picklist Print

June-13-12 3:57:27 PM

Page 1

Work Order ID: 85694

85694

Parent Item: D3910-3

D3910-3

Parent Item Name: Crosstube Lug

Start Date: 13/06/2012

Required Date: 27/06/2012

Start Qty: 30.00

Required Qty: 30.00

Comments: IPP REV:A NEW ISSUE 09-11-25 JLM VERIFIED BY:DD
REV:B AS PER REV B 10-03-23 JLM VERIFIED BY:DD IPP

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2423		Manufactured	No			100	f	476.3950	0.13	4.105263			

D2423

Lug Extrusion

**

CLW106/14

Location

Loc Qty

Loc Code

MAT006

476.395

43722

161.5

68331

43.8506

81557

271.0444

8.22

D 3910-3P

CLW106/14

X 60

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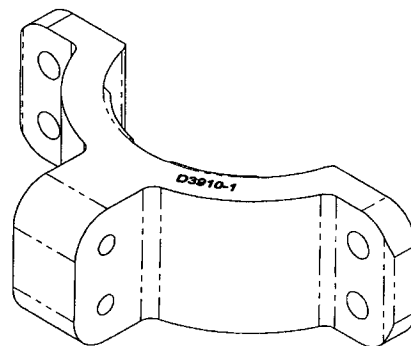
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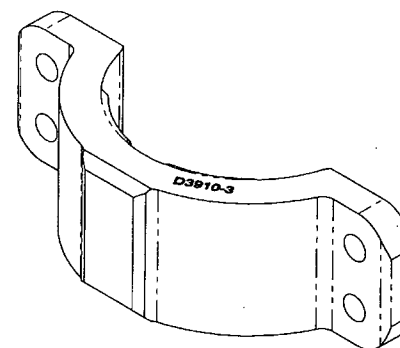
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D3910-1 X-TUBE LUG



D3910-3 X-TUBE LUG

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 85694 MLC

12/06/13

RELEASED
2010-03-22
MD

NOTES:

- 1) MATERIAL: MAKE FROM D2423 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO A DEPTH OF 0.010 \pm 0.005 IN THIS LOCATION WITH A TOOL TIP RADIUS
OF 0.015 \pm 0.005
- 7) WEIGHT -1: 0.32 lbs
-3: 0.25 lbs

B	Ø0.257 HOLES: 4 PL WAS 2 PL (A3-2) & (A3-3); R0.34 FILLET WAS R0.50 (A3-2) & (A3-3). REASON: SEE TR-D390-007-2		JPH	10.03.16
A	NEW ISSUE		JPH	10.03.04
REV.	DESCRIPTION		BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	JPH			
CHECKED		DRAWING NO.	REV. B	
MFG. APPR.		D3910	SHEET 1 OF 3	
APPROVED		TITLE	SCALE	
DE APPR.		X-TUBE LUG (350)	NTS	
DATE	10.03.16		<small>COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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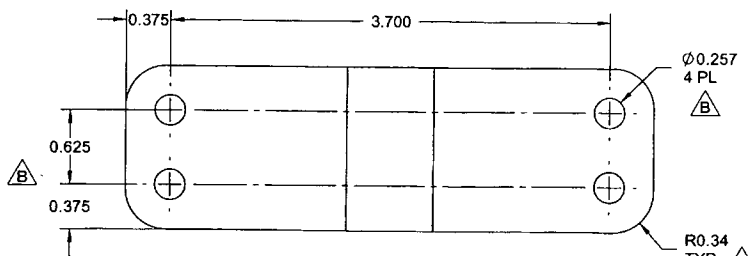
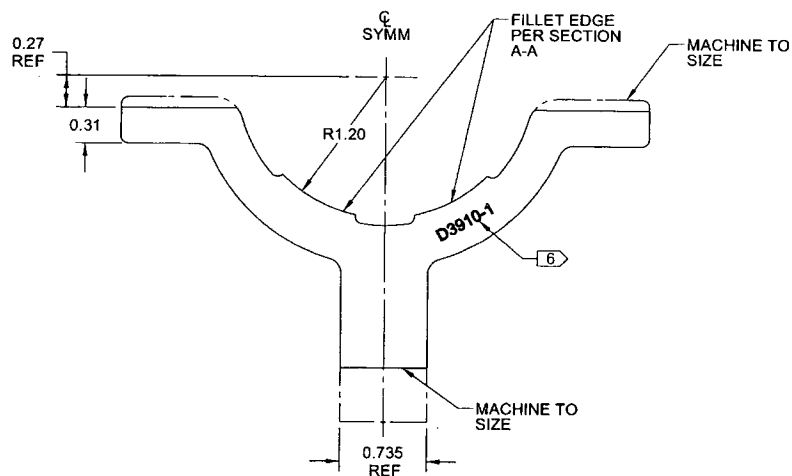
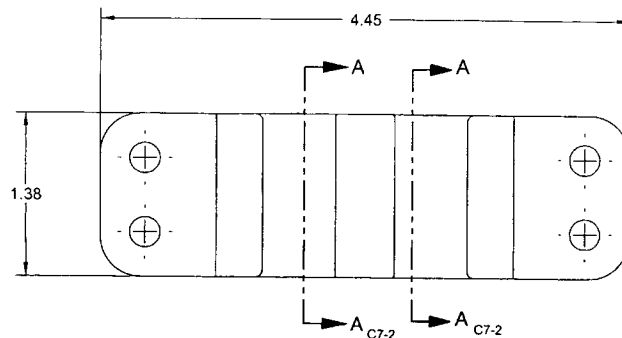
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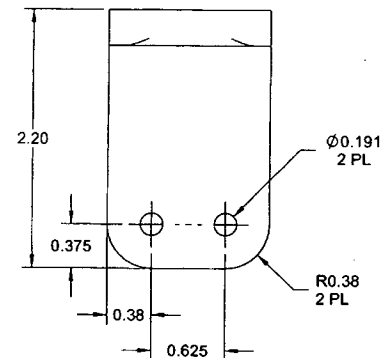


ROUND EDGE
R0.06 MIN - R0.10 MAX
2 PL

SECTION A-A
C4-2
C5-2



D3910-1 X-TUBE LUG



RELEASED
2010-03-22

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JS	DRAWING NO.	REV. B
MFG. APPR.	JS	D3910	SHEET 2 OF 3
APPROVED	JS	TITLE	SCALE
DE APPR.	JS	X-TUBE LUG (350)	NTS
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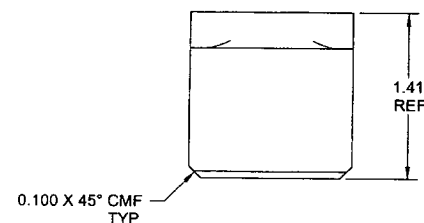
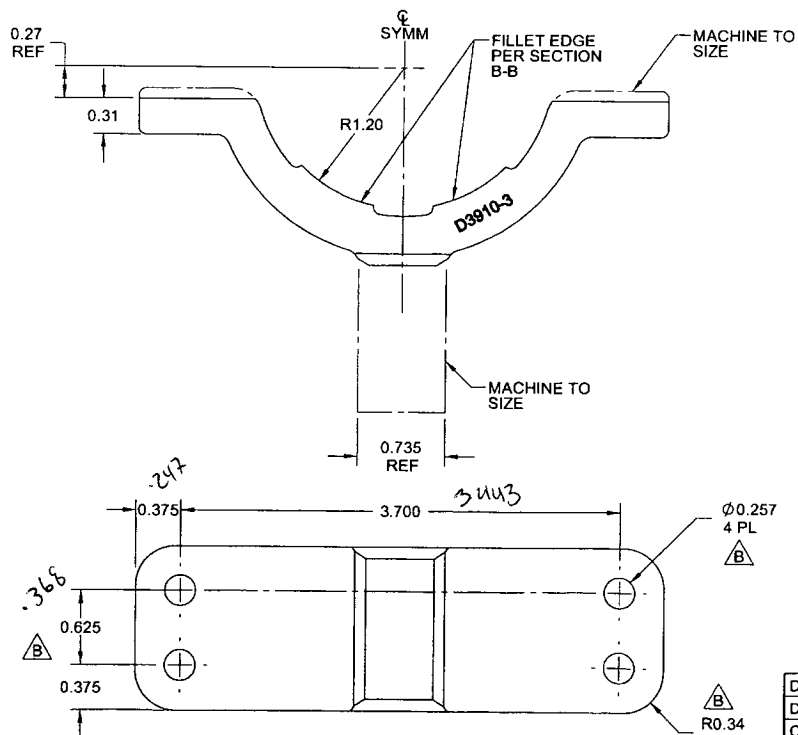
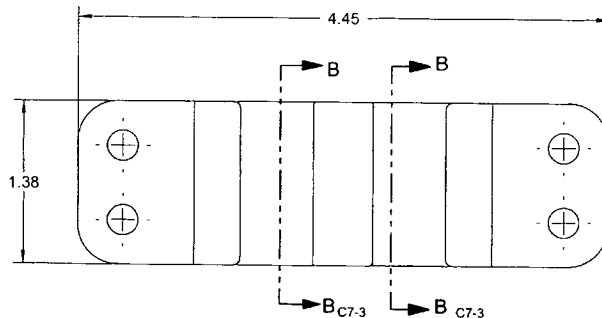
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ROUND EDGE
R0.06 MIN - 0.10 MAX
2 PL

SECTION B-B
C4-3
C5-3



D3910-3 X-TUBE LUG

RELEASED
2010-03-22

DESIGN	AJS	DART AEROSPACE LTD	
DRAWN	JPH	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3910	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		X-TUBE LUG (350)	NTS
DATE	10.03.16	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
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NOTE: Date & initial all entries



20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 18741
Date: Jul 09, 2012
Page: 1

Sold to:	Ship to:
Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: 17220	Sold By: Dewar, Eric
Shipped By: your truck	Ship Date:

Description	Unit	Ordered quantity	Shipped quantity	Backorder quantity
3910-3 Crosstube Lug	Each	60	60	

The delivered goods must be inspected upon receipt to confirm compliance.
Should there be discrepancies please notify METEC within 30 days of delivery.
The goods are otherwise deemed accepted.

Received by _____

Thank you for your order!



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0
Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>P.O. NUMBER</u>
60	D3910-3	Crosstube Lug	17220

MATERIAL: supplied by DART B81577

S. Walz

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Shigi Walz
Shigi Walz

Vankleek Hill, July 9, 2012